

Surveillance Research Program

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Surveillance Research Program
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Mission Statement

- Directs the collection and analysis of data used to answer key questions about cancer incidence, mortality, and cancer-related health status in various regions and populations in the US
 - SEER Program
- Develops statistical methodologies for;
 - analyzing trends in cancer rates
 - evaluating the impact of cancer control interventions on the cancer burden
 - evaluating the impact of geographical, social, behavioral, genetic, and health care delivery factors on the cancer burden

Organization

Associate Director; Brenda Edwards, PhD

- **Cancer Statistics Branch**
 - Benjamin F. Hankey, ScD; Chief
 - SEER Program
 - Development, implementation, and promotion of data standards for cancer surveillance
 - Reports on the cancer burden
 - Descriptive epidemiologic studies
- **Statistical Research and Applications Branch**
 - Rocky Feuer, PhD; Chief
 - Statistical methods and models
 - Analysis and presentation of population-based cancer statistics
 - Broader areas of cancer surveillance and cancer control research.

Cancer Statistics Branch

Resources for the Study of Rare Cancers

- SEER Public Use File
 - Addition of ecologic data from the Census Bureau and other sources at county level
 - Future availability of data at county level??
- SEER-NLMS Linkage
 - SEER data linked to CPS cohorts 1973-98
 - 26,000+ linked cases from 11 registries
 - Public Use File??
- GIS Methods
 - June Workshop
- SEER Registries

SEER Registries

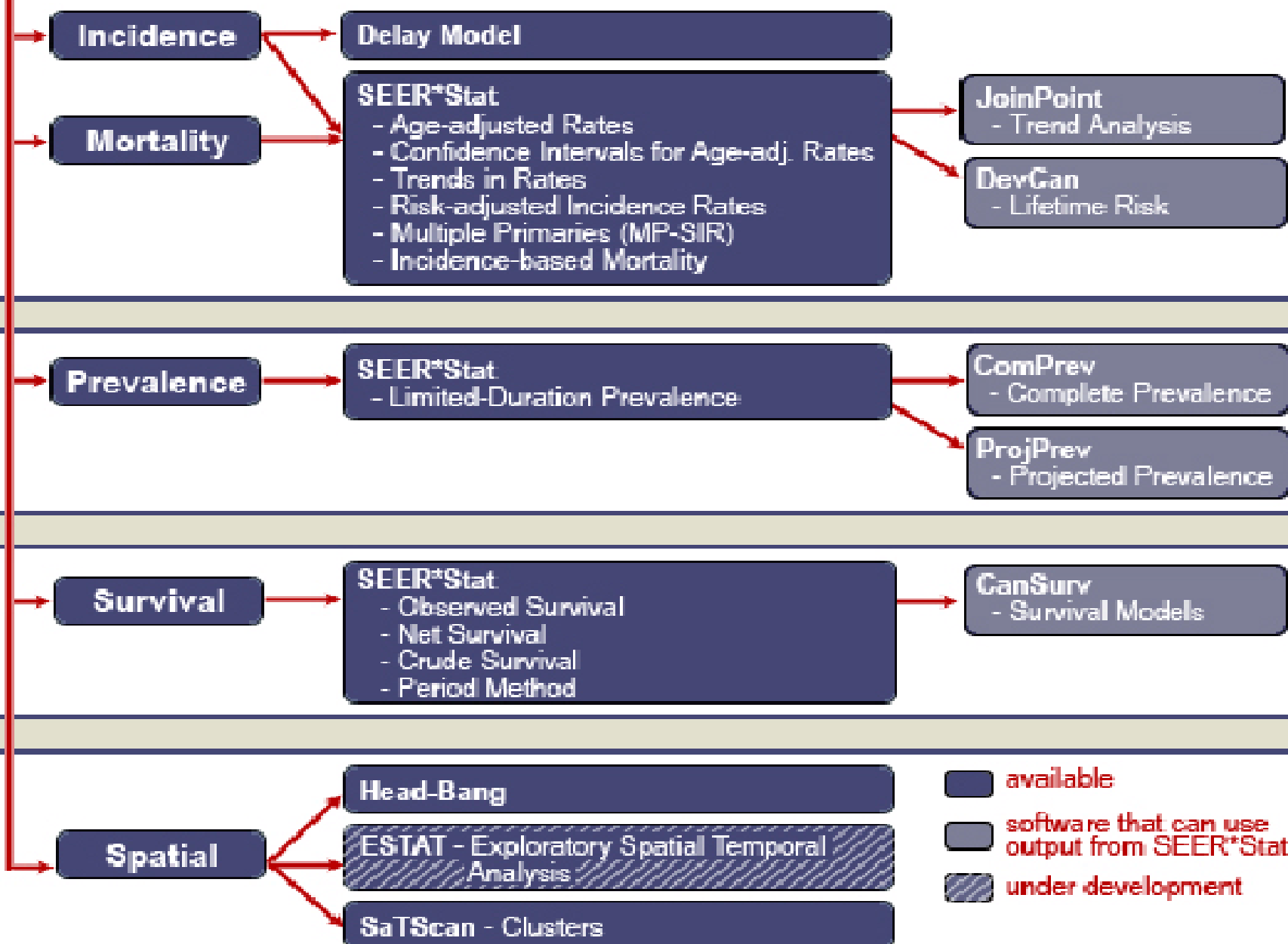
- High quality data
- Rapid Case Ascertainment
- Rapid Response Surveillance Studies
 - Pilot Studies
- Annual meeting to identify topics for study

Statistical Research and Applications Branch

Areas of research

- Cancer Control Practices and their Effect on the Cancer Burden - development of models and methods to project the effect of new cancer control activities.
- Cancer Progress Measures - development of new analytic approaches for the presentation and estimation of incidence, survival, mortality, and related cancer statistics.
- Solutions for Quantitative Problems in Cancer Surveillance and Control - statistical and mathematical modeling which provide a link between data and the assessment of progress in cancer control.
- Geographic Information Systems, Spatial Analysis, and Data Visualization - research on Geographic Information Systems and the statistical analysis of spatial and temporal patterns of cancer.
- Program Evaluation, Meta-Analysis and Outcomes Research - assessment of the efficacy and results of various programs and treatments.
- Survey Methodology, Design & Analysis - development of new statistical methods as well as statistical support related to the design and analysis of sample surveys.
- Population Risk Assessment Methodology - development of methods to monitor the prevalence of risk factors in the population.
- General Statistical Methodology - development of and support for statistical research of general applicability.

Statistical Methods and Software for Population-based Cancer Statistics



Web Sites

- Surveillance Research Program
 - <http://surveillance.cancer.gov/>
- SEER Program
 - <http://seer.cancer.gov/>
- Cancer Statistics Branch
 - <http://surveillance.cancer.gov/csb/>
- Statistical Research and Applications Branch
 - <http://srab.cancer.gov/>
- Geographic Information Systems
 - <http://srab.cancer.gov/gis/>
- Rapid Response Surveillance Studies
 - <http://www.seer.cancer.gov/rapidresponse/>
- National Longitudinal Mortality Study (Data to which SEER was linked)
 - <http://www.census.gov/nlms/>